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# Public Training: **Orion 101**

## “INTRODUCTION TO SOLARWINDS”

This public training is offered by ATS in partnership with Loop1 in a comfortable classroom environment with dedicated workstations for each attendee.

### Day 1

Orion Platform;  
Network Performance Monitor (NPM)

### Day 2

Network Performance Monitor (NPM) cont.

### Day 3

NetFlow Traffic Analyzer (NTA);  
Network Configuration Manager (NCM)

### Day 4

Server and Application Monitor (SAM);  
Alerting;  
Reporting;  
Maps;  
View Customizations

### Day 5

IP Address Manager (IPAM);  
User Device Tracker (UDT);  
VoIP and Network Quality Manager (VNQM)

## WHY PUBLIC TRAINING?

The class is led by a seasoned engineer with experience working on hundreds of unique SolarWinds® environments for companies of all sizes.

## FEATURES

- Learn the fundamentals of SolarWinds® tools
- Hands-on learning lab with customized equipment
- NPM, NTA, NCM, SAM, IPAM, VNQM & UDT
- Breakfast and Lunch provided each training day
- Great preparation for your SCP certification
- Led by an SCP instructor with years of field experience

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# Syllabus: Orion 101

## Network Management & Monitoring

### Orion 101 – Introduction to SolarWinds (5 Days)

- **MODULES: NPM, NCM, NTA, SAM, IPAM, UDT, VNQM**
- No prerequisites required

### Course Components

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#### **Day 1: Orion Platform and Network Performance Monitor**

- Orion Platform Architecture
  - Application Server Requirements
  - SQL Server Requirements
- Installation of NPM
  - Orion Configuration Wizard
- Core Components Overview
  - Orion Network Sonar Discovery
  - Orion Basic Polling Methods
    - ICMP
    - SNMP
    - WMI
    - Optional Windows & Linux Agents
  - User Accounts
  - Custom Properties
  - Orion Groups
  - Orion Dependencies
  - Integrated Virtual Infrastructure Monitoring (IVIM)
  - Syslogs and SNMP Traps

#### **Day 2: Network Performance Monitor cont.**

- NPM Overview
  - NetPath
  - Network Insight for F5 BIG-IP
  - Wireless Monitoring
  - Cisco UCS API Integration
  - Cisco Switch Stack Monitoring
  - Universal Device Pollers
  - NPM Polling Settings and Data Retention

#### **Day 3: NetFlow Traffic Analyzer; Network Configuration Manager**

- Installation of NTA
  - NTA Flow Storage Database (FSDB) Considerations
- Overview of Flow Technologies and Cisco NBAR2
  - NetFlow configuration example on Cisco device(s)
- NTA Overview
  - IP Address Groups
  - Custom Application monitoring
  - CBQoS monitoring
  - NTA Flow Navigator searches
- Installation of NCM
- NCM Overview
  - NCM User Permissions
  - Adding Nodes to NCM
    - NCM Connection Profiles
    - NCM Device Templates
  - NCM Jobs and Scheduling Backups
  - Executing Scripts and Bulk Changes
  - Real-Time Configuration Change Detection
  - Compliance Policy Reports
  - End of Sales/End of Support management
  - Cisco Firmware Vulnerabilities Reporting
  - Introduction to Configuration Change Templates

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#### Day 4: Server and Application Monitor; Alerting; Reporting; Maps; View Customizations

- Installation of SAM
- SAM Overview
  - SAM User Permissions
  - AppInsight Templates for Microsoft SQL, Exchange, and IIS
  - Windows Scheduled Task Monitoring
  - Understanding SAM Component Types
  - Managing Application Templates and Assigning Monitors
- Orion Alerting Overview
  - Web-based Alert Engine
- Orion Reporting Overview
  - Orion Report Writer application
  - Web-based Report Engine
- Orion Maps
  - Network Atlas and Wireless Heat Maps
  - Worldwide Map Resource
- Orion View Management
  - Custom View Creation
  - NOC View Designs

#### Day 5: IP Address Manager; User Device Tracker; VoIP and Network Quality Manager

- Installation of IPAM
- IPAM Overview
  - IPAM User Permissions
  - Importing Subnets and IP Addresses
  - DHCP Management
  - DNS Management
- Installation of UDT
- UDT Overview
  - Adding Nodes and Ports to UDT
  - Mapping Ports to Hostname, MAC Address, and IP Addresses
  - Monitoring Active Directory Domain Controllers for User Login Data
- Installation of VNQM
- VNQM Overview
  - IP SLA Overview
    - Configuration examples for both the Cisco CLI and VNQM GUI
    - Adding existing IP SLA Operations to monitoring
  - Call Manager Monitoring
    - Cisco vs. Avaya requirements